

Plastics Plumbing Fixture Manufacturing: 2002

Issued September 2004

EC02-311-326191

2002 Economic Census

Manufacturing

Industry Series



U S C E N S U S B U R E A U

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
326191, Plastics plumbing fixture manufacturing	2002..	503	541	24 676	664 154	18 803	36 132	421 683	1 812 499	1 301 779	3 106 118	108 863
	2001..	N	N	22 678	577 078	17 490	34 106	361 124	1 539 177	1 170 092	2 712 729	76 778
	2000..	N	N	24 055	604 526	18 536	34 449	365 610	1 667 173	1 271 679	2 943 855	77 360
	1999..	N	N	23 090	601 321	17 665	34 133	363 919	1 652 917	1 164 557	2 801 594	65 680
	1998..	N	N	19 269	496 085	14 894	32 079	322 721	1 429 110	1 015 808	2 432 734	39 758
	1997..	539	570	19 254	452 514	14 913	29 618	299 326	1 239 095	937 423	2 181 207	48 736

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
326191, Plastics plumbing fixture manufacturing												
United States	1	541	251	24 676	664 154	18 803	36 132	421 683	1 812 499	1 301 779	3 106 118	108 863
Arkansas	1	8	3	303	7 954	220	410	4 071	17 438	16 433	33 424	936
Kentucky	—	7	4	407	9 972	335	609	7 212	34 368	17 451	52 179	1 905
Michigan	1	24	16	1 230	38 278	963	1 981	24 532	102 022	70 920	172 448	5 302
Minnesota	2	11	2	213	6 650	161	294	4 274	25 165	13 135	37 489	1 007
Missouri	—	27	9	777	23 368	557	1 068	13 721	70 038	42 434	110 934	4 265
Ohio	1	23	11	511	15 273	394	813	9 902	53 197	47 512	100 925	2 706
South Carolina	4	12	6	243	6 975	178	355	4 261	11 998	7 151	19 095	888
Wisconsin	2	7	1	112	3 792	93	188	2 770	7 076	2 934	10 036	309

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
326191, Plastics plumbing fixture manufacturing	
Companies ¹	number.. 503
All establishments ²	number.. 541
Establishments with 1 to 19 employees	number.. 290
Establishments with 20 to 99 employees	number.. 185
Establishments with 100 employees or more	number.. 66
All employees ³	number.. 24 676
Total compensation	\$1,000.. 800 359
Annual payroll	\$1,000.. 664 154
Total fringe benefits	\$1,000.. 136 205
Production workers, average for year	number.. 18 803
Production workers on March 12	number.. 18 494
Production workers on May 12	number.. 18 938
Production workers on August 12	number.. 19 174
Production workers on November 12	number.. 18 558
Production worker hours	1,000.. 36 132
Production worker wages	\$1,000.. 421 683
Total cost of materials	\$1,000.. 1 301 779
Materials, parts, containers, packaging, etc., used	\$1,000.. 1 170 182
Resales	\$1,000.. 89 576
Purchased fuels	\$1,000.. 8 264
Purchased electricity	\$1,000.. 23 381
Contract work	\$1,000.. 10 376
Quantity of electricity purchased for heat and power	1,000 kWh.. 350 538
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 3 106 118
Primary products value of shipments	\$1,000.. 2 823 538
Secondary products value of shipments	\$1,000.. 146 397
Total miscellaneous receipts	\$1,000.. 136 183
Value of resales	\$1,000.. 122 520
Contract receipts	\$1,000.. 4 695
Other miscellaneous receipts	\$1,000.. 8 968
Primary products specialization ratio	percent.. 95
Value of primary products shipments made in all industries	\$1,000.. 3 101 838
Value of primary products shipments made in this industry	\$1,000.. 2 823 538
Value of primary products shipments made in other industries	\$1,000.. 278 300
Coverage ratio	percent.. 91
Value added	\$1,000.. 1 812 499
Total inventories, beginning of year	\$1,000.. 233 486
Finished goods inventories	\$1,000.. 97 373
Work-in-process inventories	\$1,000.. 15 663
Materials and supplies inventories	\$1,000.. 120 450
Total inventories, end of year	\$1,000.. 247 720
Finished goods inventories	\$1,000.. 102 654
Work-in-process inventories	\$1,000.. 18 542
Materials and supplies inventories	\$1,000.. 126 524
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 930 654
Total capital expenditures (new and used)	\$1,000.. 108 863
Buildings and other structures (new and used)	\$1,000.. 13 648
Machinery and equipment (new and used)	\$1,000.. 95 215
Automobiles, trucks, etc., for highway use	\$1,000.. 7 944
Computers and peripheral data processing equipment	\$1,000.. 7 964
All other expenditures for machinery and equipment	\$1,000.. 79 307
Total retirements	\$1,000.. 40 344
Gross value of depreciable assets at end of year	\$1,000.. 999 173
Depreciation charges during year	\$1,000.. 77 729
Total rental payments	\$1,000.. 48 258
Buildings and other structures	\$1,000.. 30 887
Machinery and equipment	\$1,000.. 17 371
Total other expenses ⁴	\$1,000.. 372 728
Response coverage ratio ⁵	percent.. 78
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 23 804
Communications services ⁴	\$1,000.. 9 419
Legal services ⁴	\$1,000.. 5 026
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 2 307
Advertising and promotional services ⁴	\$1,000.. 30 570
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 4 272
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 7 348
Management consulting and administrative services ⁴	\$1,000.. 6 875
Taxes and license fees ⁴	\$1,000.. 12 492
All other expenses ⁴	\$1,000.. 270 614

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
326191, Plastics plumbing fixture manufacturing											
All establishments	1	541	24 676	664 154	18 803	36 132	421 683	1 812 499	1 301 779	3 106 118	108 863
Establishments with—											
1 to 4 employees	9	127	e	D	D	D	D	D	D	D	D
5 to 9 employees	7	83	549	14 659	445	877	11 105	35 194	21 990	57 102	3 635
10 to 19 employees	4	80	1 111	30 594	848	1 694	20 646	66 059	49 987	115 937	6 661
20 to 49 employees	2	139	4 244	118 481	3 078	6 125	71 143	296 236	171 129	466 733	16 258
50 to 99 employees	1	46	3 296	97 017	2 346	4 910	55 491	232 874	180 295	413 807	12 074
100 to 249 employees	—	50	7 308	194 974	5 684	11 037	128 840	530 668	368 401	895 168	27 443
250 to 499 employees	—	12	4 260	115 491	3 544	6 799	86 770	321 494	238 703	558 045	32 970
500 to 999 employees	—	3	2 523	62 513	1 697	2 728	29 538	204 856	159 862	361 714	5 695
1,000 to 2,499 employees	—	1	g	D	D	D	D	D	D	D	D
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	148	455	11 976	390	748	9 370	31 106	20 792	51 897	3 501

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
326191	Plastics plumbing fixture manufacturing	541	24 676	664 154	18 803	36 132	421 683	1 812 499	1 301 779	3 106 118	108 863
3261910	Plastics plumbing fixtures	541	24 676	664 154	18 803	36 132	421 683	1 812 499	1 301 779	3 106 118	108 863

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
326191	Plastics plumbing fixture manufacturing	2002.. N 1997.. N	X X	X X	3 101 838 2 249 286
3261910	Plastics plumbing fixtures	2002.. N 1997.. N	X X	X X	3 101 838 2 249 286
32619101	Plastics plumbing fixtures	2002.. N 1997.. N	X X	X X	2 641 787 2 148 822
3261910111	Plastics plumbing fixtures, plastics laboratories (including cultured marble)	2002.. 148 1997.. N	X X	X X	440 517 N
3261910121	Plastics plumbing fixtures, plastics bathtubs, including wall surrounds when sold as combined units, not including whirlpool baths, fiberglass (FRP) gel coat	2002.. 41 1997.. N	X X	X X	467 633 N
3261910122	Plastics plumbing fixtures, plastics bathtubs, including wall surrounds when sold as combined units, not including whirlpool baths, fiberglass (FRP) acrylic (including cultured marble, PVC, and ABS)	2002.. 75 1997.. N	X X	X X	185 013 N
3261910125	Plastics plumbing fixtures, plastics showers receptors, sold separately	2002.. 20 1997.. N	X X	X X	78 302 N
3261910131	Plastics plumbing fixtures, plastics showers stalls, including receptors, fiberglass (FRP) gel coat	2002.. 27 1997.. N	X X	X X	154 906 N
3261910135	Plastics plumbing fixtures, all other plastics shower stalls, including fiberglass (FRP) acrylic and other plastics	2002.. 25 1997.. N	X X	X X	46 539 N
3261910141	Plastics plumbing fixtures, plastics wall surrounds, sold as separate units (including showers, and bathtubs)	2002.. 40 1997.. N	X X	X X	66 368 N
3261910146	Plastics plumbing fixtures, plastics whirlpool baths, not spas or hot tubs (noninstitutional), fiberglass (FRP) acrylic	2002.. 29 1997.. N	X X	X X	253 230 N
3261910148	Plastics plumbing fixtures, plastics whirlpool baths, not spas or hot tubs (noninstitutional), other (including fiberglass (FRP) gel coat and cultured marble)	2002.. 37 1997.. N	X X	X X	95 498 N
3261910151	Plastics plumbing fixtures, hot tubs and spas (noninstitutional), all materials (including fiberglass (FRP) acrylic, cultured marble, and other plastics)	2002.. 34 1997.. N	X X	X X	575 305 N
3261910155	Plastics plumbing fixtures, all other plastics plumbing fixtures (including water closet bowls, sinks, bidets, etc.)	2002.. 88 1997.. N	X X	X X	278 476 N
3261910Y	Plastics plumbing fixtures, nsk, total	2002.. N 1997.. N	X X	X X	460 051 100 464
3261910YWW	Plastics plumbing fixture, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	407 488 —
3261910YWY	Plastics plumbing fixture, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	52 563 100 464

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p—10 to 19 percent estimated; q—20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
326191	Plastics plumbing fixture manufacturing		
00900001	Total materials .....2002..	X	1 170 182
	.....1997..	X	835 449
32121909	Hardboard .....2002..	X	23 652
	.....1997..	X	15 212
325000A6	Industrial inorganic chemicals (excluding plastics resins, industrial organic and synthetic organic chemicals, and all other chemicals and allied products) .....2002..	X	17 117
	.....1997..	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. ....2002..	X	223 230
	.....1997..	X	140 090
325100A1	Industrial organic and synthetic organic chemicals, including plasticizers (excluding synthetic dyes, pigments, and toners) .....2002..	X	12 364
	.....1997..	X	15 693
32500042	All other chemicals and allied products (excluding industrial inorganic chemicals, plastics resins, and industrial organic and synthetic organic chemicals) .....2002..	X	101 555
	.....1997..	X	N
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes .....2002..	X	133 863
	.....1997..	X	108 529
32599100	Custom compounded plastics resins (purchased) .....2002..	X	42 555
	.....1997..	X	7 263
32721209	Textile-type glass fiber .....2002..	X	42 887
	.....1997..	X	34 601
32221001	Paperboard containers, boxes, and corrugated paperboard .....2002..	X	49 078
	.....1997..	X	25 032
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	358 152
	.....1997..	X	210 644
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	165 729
	.....1997..	X	278 385

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.